

Please type a plus sign (+) inside this box → [+]



PTO/SB08A (10-01)

Approved for use through 10/31/2002 OMB 0651-0031

Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

SHEET 1 of 4

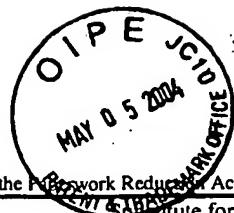
COMPLETE IF KNOWN

Application Number	09/886,894 ← OK
Confirmation Number	6719
Filing Date	June 21, 2001
First Named Inventor	John Joseph Curro et al.
Group Art Unit	1771
Examiner Name	
Attorney Docket Number	8590

### U. S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		US-2,257,428	09/30/1941	Ruegenberg	
		US-2,679,887	06/01/1954	Doyle et al.	
		US-2,862,251	12/02/1958	Kalwaites	
		US-2,896,692	07/28/1959	Villoresi	
		US-3,081,500	03/19/1963	Griswold et al.	
		US-3,081,512	03/19/1963	Griswold	
		US-3,354,022	11/21/1967	Dettre et al.	
		US-3,485,706	12/23/1969	Evans	
		US-3,542,634	11/24/1970	Such et al.	
		US-3,574,109	04/06/1971	Yoshikawa	
		US-3,597,299	08/03/1971	Thomas et al.	
		US-3,681,182	08/01/1972	Kalwaites	
		US-3,681,183	08/01/1972	Kalwaites	
		US-3,695,967	10/03/1972	Ross	
		US-3,695,985	10/03/1972	Brock et al.	
		US-3,728,203	04/17/1973	Taylor	
		US-3,800,364	04/02/1974	Kalwaites	
		US-3,855,046	12/17/1974	Hansen et al.	
		US-3,860,003	01/14/1975	Buell	
		US-3,881,987	05/06/1975	Benz	
		US-3,927,673	12/23/1975	Taylor	
		US-3,929,135	12/30/1975	Thompson	
		US-3,949,127	04/06/1976	Ostermeier et al.	
		US-3,953,638	04/27/1976	Kemp	
		US-4,062,993	12/13/1977	Seward	
		US-4,101,625	07/18/1978	Haley	
		US-4,116,892	09/26/1978	Schwarz	
		US-4,135,021	01/16/1979	Patchell et al.	
		US-4,153,664	05/08/1979	Sabee	
		US-4,207,367	06/10/1980	Baker, Jr.	
		US-4,223,059	09/16/1980	Schwarz	
		US-4,276,336	06/30/1981	Sabee	
		US-4,285,100	08/25/1981	Schwarz	
		US-4,333,979	06/08/1982	Sclaraffa et al.	
		US-4,342,314	08/03/1982	Radel et al.	
		US-4,349,020	09/14/1982	Krikorian	
		US-4,355,066	10/19/1982	Newman	
		US-4,404,052	09/13/1983	Persson et al.	
		US-4,414,970	11/15/1983	Berry	
		US-4,418,123	11/29/1983	Bunnelle et al.	
		US-4,421,812	12/20/1983	Plant	
		US-4,522,863	06/11/1985	Keck et al.	
		US-4,525,407	06/25/1985	Ness	
		US-4,573,991	03/04/1986	Pieniak et al.	
		US-4,588,630	05/13/1986	Shimalla	
		US-4,600,620	07/15/1986	Lloyd et al.	
		US-4,603,069	07/29/1986	Haq et al.	
		US-4,606,964	08/19/1986	Wideman	

Jim RS 12/15/05



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Use for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

SHEET 2 of 4

COMPLETE IF KNOWN	
Application Number	09/886,894
Confirmation Number	6719
Filing Date	June 21, 2001
First Named Inventor	John Joseph Curro et al.
Group Art Unit	1771
Examiner Name	
Attorney Docket Number	8590

## **U. S. PATENT DOCUMENTS (cont.)**

SP	US-4,609,518	09/02/1986	Curro et al.	
	US-4,629,643	12/16/1986	Curro et al.	
	US-4,657,802	04/14/1987	Morman	
	US-4,695,278	09/22/1987	Lawson	
	US-4,720,415	01/19/1988	Vander Wielen et al.	
	US-4,741,944	05/03/1988	Jackson et al.	
	US-4,758,297	07/19/1988	Calligarich	
	US-4,797,310	01/10/1989	Barby et al.	
	US-4,801,482	01/31/1989	Goggans et al.	
	US-4,808,178	02/28/1989	Aziz et al.	
	US-4,816,025	03/28/1989	Foreman	
	US-4,840,829	06/20/1989	Suzuki et al.	
	US-4,847,134	07/11/1989	Fahrenkrug et al.	
	US-4,891,258	01/02/1990	Fahrenkrug	
	US-5,116,662	05/26/1992	Morman	
	US-5,143,679	09/01/1992	Weber et al.	
	US-5,151,092	09/29/1992	Buell et al.	
	US-5,156,793	10/20/1992	Buell et al.	
	US-5,167,897	12/01/1992	Weber et al.	
	US-5,204,158	04/20/1993	Phillips et al.	
	US-5,260,345	11/09/1993	DesMarais et al.	
	US-5,268,224	12/07/1993	DesMarais et al.	
	US-5,320,891	06/14/1994	Levy et al.	
	US-5,338,766	08/16/1994	Phan et al.	
	US-5,376,198	12/27/1994	Fahrenkrug et al.	
	US-5,431,991	07/11/1995	Quantrille et al.	
	US-5,451,219	09/19/1995	Suzuki et al.	
	US-5,518,801	05/21/1996	Chappell et al.	
	US-5,536,555	07/16/1996	Zelazoski et al.	
	US-5,567,501	10/22/1996	Srinivasan et al.	
	US-5,587,225	12/24/1996	Griesbach et al.	
	US-5,595,567	01/21/1997	King et al.	
	US-5,620,779	04/15/1997	Levy et al.	
	US-5,623,888	04/29/1997	Zafiroglu	
	US-5,626,571	05/06/1997	Young et al.	
	US-5,628,097	05/13/1997	Benson et al.	
	US-5,635,290	06/03/1997	Stopper et al.	
	US-5,658,639	08/19/1997	Curro et al.	
	US-5,662,634	09/02/1997	Yamamoto et al.	
	US-5,681,302	10/28/1997	Melby et al.	
	US-5,683,374	11/04/1997	Yamamoto et al.	
	US-5,683,794	11/04/1997	Wadsworth et al.	
	US-5,691,035	11/25/1997	Chappell et al.	
	US-5,714,107	02/03/1998	Levy et al.	
	US-5,733,822	03/31/1998	Gessner et al.	
	US-5,804,021	09/08/1998	Abuto et al.	
	US-5,830,555	11/03/1998	Srinivasan et al.	
	US-5,846,232	12/08/1998	Serbiak et al.	
	US-5,851,935	12/22/1998	Srinivasan et al.	
	US-5,853,881	12/29/1998	Estey et al.	

12/29/1998 Estey et al.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449A/PTO

COMPLETE IF KNOWN

Application Number	09/886,894
Confirmation Number	6719
Filing Date	June 21, 2001
First Named Inventor	John Joseph Curro et al.
Group Art Unit	1771
Examiner Name	
Attorney Docket Number	8590

SHEET 3 of 4

### U. S. PATENT DOCUMENTS (cont.)

✓	US-5,891,544	04/06/1999	Chappell et al.
	US-5,906,879	05/25/1999	Huntoon et al.
	US-5,916,661	06/29/1999	Benson et al.
	US-5,919,411	07/06/1999	Rezai et al.
	US-6,015,605	01/18/2000	Tsujiyama et al.
	US-6,022,607	02/08/2000	James et al.
	US-6,025,050	02/15/2000	Srinivasan et al.
	US-6,027,593	02/22/2000	Lunt et al.
	US-6,054,202	04/25/2000	Takeuchi et al.
	US-6,057,024	05/02/2000	Mleziva et al.
	US-6,086,984	07/11/2000	DiMaggio, Jr. et al.
✓	US-6,106,925	08/22/2000	Palumbo
	US-6,203,654 B1	03/20/2001	McFall et al.

### FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. <sup>1</sup>	FOREIGN PATENT DOCUMENT	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
SP		EP 0 112 654 A2	07/04/1984	Haq et al.		
		EP 0 127 483 B1	10/11/1989	Pedro		
		EP 0 164 740 B1	04/04/1990	Shimalla		
		EP 0 432 755 B1	05/17/1995	Morman		
		EP 0 432 763 B1	08/09/1995	Morman		
		EP 0 452 727 B1	03/13/1996	Strack et al.		
		EP 0 677 284 B1	06/09/1999	Kielpikowski		
		EP 0 685 586 A2	12/06/1995	Coslett et al.		
		EP 0 687 757 A2	12/20/1995	Srinivasen et al.		
		EP 0 713 546 B1	03/26/1997	Gessner et al.		
		EP 0 758 543 A1	02/19/1997	Fujioka et al.		
		EP 0 823 878 B1	08/09/2000	Stopper		
		EP 0 919 212 A2	06/02/1999	Hisanaka et al.		
		EP 0 945 251 A1	09/29/1999	Tanaka et al.		
		EP 0 945 536 A2	09/29/1999	Takeuchi et al.		
		EP 0 955 159 A1	11/10/1999	Flohr et al.		
		WO 94/19179 A1	09/01/1994	Wadsworth et al.		
		WO 96/10979 A1	04/18/1996	Palumbo		
		WO 97/11662 A1	04/03/1997	Benson et al.		
		WO 97/47264 A1	12/18/1997	Lodge		
		WO 99/37476 A1	07/29/1999	Nissing		
		WO 99/55273 A1	11/04/1999	Busam et al.		
		WO 99/55532 A1	11/04/1999	Busam et al.		
		WO 00/76430 A1	12/21/2000	Goyarts		
		WO 01/45616 A1	06/28/2001	Curro et al.		
		JP 08299385 A	11/19/1996	Shin-Oji Paper Co. Ltd.		

Spn 1K 12/5/05

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

O I P E  
MAY 05 2004  
JC10  
Substitute for Form 1449A/PTO  
PATENT & TRADEMARK OFFICE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>COMPLETE IF KNOWN</b>	
SHEET 4 of 4		Application Number	09/886,894
		Confirmation Number	6719
		Filing Date	June 21, 2001
		First Named Inventor	John Joseph Curro et al.
		Group Art Unit	1771
		Examiner Name	
		Attorney Docket Number	8590

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

EXAMINER INITIALS*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
<b>EXAMINER</b>	<i>Sru</i>	<b>DATE CONSIDERED</b>	<i>12/5/05</i>

EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, D.C. 20231.

Please type a plus sign (+) inside this box → [+]



PTO/SB/08A (10-01)

Approved for use through 10/31/2002 OMB 0651-0031

Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

**Substitute for form 1449A/PTO**

COMPLETE IF KNOWN	
Application Number	09/886,894
Confirmation Number	6719
Filing Date	June 21, 2001
First Named Inventor	John Joseph Curro
Group Art Unit	1771
Examiner Name	J. R. Pierce
Attorney Docket Number	8590

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

SHEET 1 of 1

## U. S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. <sup>1</sup>	DOCUMENT NUMBER	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
SP		Number - Kind Code <sup>2</sup> (If known)			
		4,000,348	12/28/1976	Harlow	

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENT					Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
EXAMINER INITIALS <sup>5</sup>	Cite No. <sup>1</sup>	Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>8</sup> (if known)			

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	CITE NO. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
-			
EXAMINER			DATE CONSIDERED 12/5/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, D.C. 20231.

COPENDING APPLICATIONS

Atty. Docket No.	Serial Number	Inventor(s)	Filing Date
6522R2	08/816,106	J. J. Curro et al.	March 14, 1997
7019	09/027,039	R. R. McFall et al.	Feb. 20, 1998
7897R4	09/886,740	J. J. Curro et al.	June 21, 2001
7897R3	09/886,828	J. J. Curro et al.	June 21, 2001
8590	09/886,894	J. J. Curro et al.	June 21, 2001
8591	09/886,893	J. J. Curro et al.	June 21, 2001
8592	09/886,831	J. J. Curro et al.	June 21, 2001
8593	09/886,830	J. J. Curro et al.	June 21, 2001
8594	09/886,730	J. J. Curro et al.	June 21, 2001
8595	09/886,829	J. J. Curro et al.	June 21, 2001

Sum  $\leftarrow$  12/5/05